

## APPENDIX B. Natural Resource Trustees Supplemental Data Collection

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In addition to the sturgeon sampling objectives stated in the *Portland Harbor RI/FS Field Sampling Plan: Round 3 Sampling for Pre-Breeding White Sturgeon* (*Acipenser transmontanus*) Tissue (Windward 2007), the Lower Willamette Group (LWG) also performed sampling efforts beyond the scope of the remedial investigation/ feasibility study (RI/FS) work to provide data to support the objectives of the Natural Resource Trustees (NRT). The US Environmental Protection Agency (EPA) approved the additional efforts discussed below:

- Health assessments were conducted for all sturgeon retained for tissue analysis. US Fish and Wildlife Service (USFWS) provided the standard operating procedure (SOP) to facilitate the fish health assessment effort. Under EPA supervision, external sturgeon health assessments were also conducted on 150 sub-legal-sized fish before they were released live at the site of capture. Observed abnormalities or deformities were photographed.
- LWG allowed NRT to take blood samples from all retained (legal-sized) sturgeon and six released (sub-legal-sized) sturgeon.
- LWG took 14 histopathology samples of deformities or abnormalities during the examination of retained sturgeon. Small sections of observed abnormal tissue were photographed, excised, and stored in formalin for histological examination.
- LWG agreed to provide a 40-g subsection of the liver tissue to the NRT for analysis. Because most of the livers do not provide enough mass for LWG to provide the NRT with the requested 40-g aliquots without jeopardizing the whole-body sample, LWG, EPA, and NRT are currently considering the best alternative approach.
- LWG agreed to provide a 40-g muscle tissue fillet sample with skin to the NRT for analysis. The fillet samples will be dissected by the analytical laboratory (Columbia Analytical Services, Inc.) and relinquished to the NRT.

Data collected by the NRT will be shared with LWG.

## REFERENCES

Windward. 2007. Portland Harbor RI/FS. Field sampling plan: round 3 sampling for pre-breeding white sturgeon (*Acipenser transmontanus*) tissue. WE-06-0004. Prepared for Lower Willamette Group. Windward Environmental LLC, Seattle, WA.